

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A computer-implemented method for verifying an extensible markup language (XML) document, the method comprising:

downloading an XML document into a wireless device, the wireless device having a central processing unit (CPU), memory, and an I/O interface;

accessing a compiled document type definition (DTD) stored in the memory of the device, wherein the compiled DTD comprises executable program code configured to execute on the CPU and cause the CPU to receive the XML document as input, the compiled DTD being a self contained executable program that verifies whether the XML document conforms to a DTD that corresponds to the XML document, the compiled DTD being generated by parsing a DTD document to generate source code, the DTD document containing the DTD corresponding to the XML document, and compiling the source code to generate the compiled DTD;

verifying the XML document by running the compiled DTD on the CPU, wherein the compiled DTD receives the XML document as input and generates one of a verified XML output or an error.

2-5. (Canceled)

6. (Currently Amended) A method of claim [[5]]1, wherein the compiling further includes compiling the source code with a verifier interface to generate the compiled DTD.

7. (Canceled)

8. (Previously Presented) A method of claim 1, wherein the verifying of the XML document using the compiled DTD further includes executing a verification algorithm against a structure, the verification algorithm being capable of distinguishing an order of elements in a DTD document.

9. (Previously Presented) A method of claim 1, wherein the verifying of the XML document using the compiled DTD further includes generating one of an error, a verified XML document, and the verified XML document with an inserted attribute.

10-21. (Canceled)

22. (Previously Presented) A machine readable medium for verifying an extensible markup language (XML) document using a processor of a hand held mobile device, the machine readable medium comprising program instructions for:

downloading an XML document into the hand held mobile device, the hand held mobile device having a central processing unit (CPU), memory, and an I/O interface;

accessing a compiled document type definition (DTD) for the XML document stored in the memory of the device, wherein the compiled DTD comprises executable program code configured to execute on the CPU and cause the CPU to receive the XML document as input, the compiled DTD being a self contained executable program that verifies whether the XML document conforms to a DTD that corresponds to the XML document, the compiled DTD being generated by parsing a DTD document to generate source code, the DTD document

containing the DTD corresponding to the XML document, and compiling the source code to generate the compiled DTD; and

verifying the XML document by running the compiled DTD on the CPU, the verifying comprising executing the compiled document type definition to verify that the XML document is valid, indicating conformance with the DTD.

23. (Previously Presented) A machine readable medium of claim 22, wherein the verifying of the XML document using the compiled DTD further includes executing a verification algorithm against a structure, the verification algorithm being capable of distinguishing an order of elements in a DTD document.

24. (Previously Presented) A machine readable medium of claim 22, wherein the verifying of the XML document using the compiled DTD further includes generating one of an error, a verified XML document, and the verified XML document with an inserted attribute.